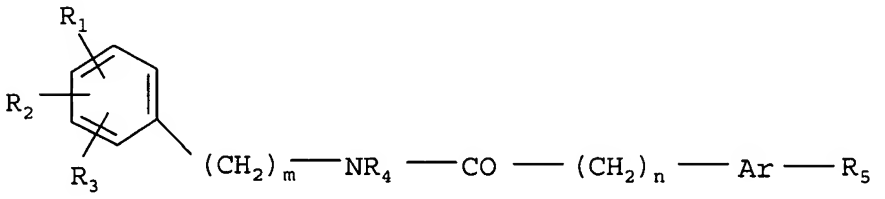
Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

1. (Currently amended) A carboxylic acid amide compound of the following formula



(I),

wherein

~~one of the groups~~ m ~~or n~~ denotes the number 0 and

~~the other group m or~~ n denotes the number 1,

Ar denotes a phenylene or naphthylene group optionally substituted by a fluorine, chlorine or bromine atom, by a trifluoromethyl, C_{1-3}-alkyl, hydroxy, C_{1-3}-alkoxy, phenyl-C_{1-3}-alkoxy, amino, C_{1-3}-alkylamino or di-(C_{1-3}-alkyl)-amino group, whilst the phenylene group may optionally be substituted by a second fluorine, chlorine or bromine atom or by a second C_{1-3}-alkyl group,

~~a thienylene, thiazolylene, pyridinylene, pyrimidinylene, pyrazinylene or pyridazinylene group optionally substituted in the carbon skeleton by a C_{1-3}-alkyl group,~~

R_1 denotes a ~~C_{1-3}-alkyl group optionally substituted by an amino, C_{1-3}-alkylamino, di-(C_{1-3}-alkyl)-amino, phenyl, naphthyl, heteroaryl or 4- to 7-membered cycloalkyleneimino group,~~

~~a C_{3-7}-cycloalkyl group which is substituted in the 1-position by a 5- to 7-membered cycloalkyleneiminocarbonyl group,~~a

~~an amino, C_{1-5}-alkylamino, C_{5-7}-cycloalkylamino or phenyl-C_{1-3}-alkylamino group which may in each case be substituted at the amino nitrogen atom by a benzoyl or phenylsulphonyl group or by a C_{1-3}-alkyl or C_{1-3}-alkylcarbonyl group optionally substituted in the C_{1-3}-alkyl moiety by a carboxy group,~~

~~a 4~~5~~- to or 7~~6~~-membered~~pyrrolidinocarbonyle or piperdinocarbonyle cycloalkyleneiminocarbonyl or cycloalkyleneiminosulphonyl~~ group optionally substituted by a C_{1-3}-alkyl group,

~~an aminosulphonyl group optionally substituted by one or two C_{1-3}-alkyl groups,~~

~~a phenyl group optionally substituted by a fluorine, chlorine or bromine atom, by a trifluoromethyl, aminosulphonyl, C_{1-3}-alkyl or C_{1-3}-alkoxy group, which may additionally be substituted by a fluorine, chlorine or bromine atom or by a trifluoromethyl, C_{1-3}-alkyl or C_{1-3}-alkoxy group,~~

~~a C_{1-3}-alkoxy, phenyl-C_{1-3}-alkoxy, heteroaryloxy or heteroaryloxy-C_{1-3}-alkoxy group wherein the alkoxy moiety may be substituted in the 2 or 3 position in each case by an amino, C_{1-3}-alkylamino or di-(C_{1-3}-alkyl)-amino group,~~

~~a C_{3-7}-cycloalkoxy group, whilst the methylene group in the 3 or 4 position in a C_{5-7}-cycloalkoxy group may be replaced by an -NH group, and said -NH group may be optionally substituted~~

~~by a C_{1-3}-alkyl group which may be substituted in the 2 or 3 position by an amino, C_{1-3}-alkylamino or di-(C_{1-3}-alkyl)-amino group, by a C_{1-3}-alkylcarbonyl, arylcarbonyl or arylsulphonyl group or~~

~~by an aminocarbonyl, C_{1-3}-alkylaminocarbonyl or di-(C_{1-3}-alkyl)-aminocarbonyl group, wherein in each case the oxygen atom of the carbonyl group is replaced by an imino group,~~

R_2 denotes a hydrogen, fluorine, chlorine or bromine atom, a C_{1-3}-alkyl, hydroxy or C_{1-3}-alkoxy group,

R_3 denotes a hydrogen atom or a C_{1-3}-alkyl group,

R_4 denotes a hydrogen atom or a C_{1-3}-alkyl group optionally substituted by a carboxy group and

R_5 denotes a cyano group or an amidino group optionally substituted by one or two C_{1-3}-alkyl groups or by a C_{1-6}-alkoxycarbonyl or benzoyl group,

wherein said amino and imino groups of Ar and R_5 may be replaced by the group consisting of an hydroxy group, an acyl group such as a benzoyl group optionally mono- or disubstituted by fluorine, chlorine, bromine or iodine atoms or by C_{1-3}-alkyl or C_{1-3}-alkoxy groups, whilst the substituents may be identical or different, a pyridinoyl group or a C_{1-16}-alkanoyl group such as the formyl, acetyl, propionyl, butanoyl, pentanoyl or hexanoyl group, a 3,3,3-trichloropropionyl or allyloxycarbonyl group, a C_{1-16}-alkoxycarbonyl or C_{1-16}-alkylcarbonyloxy group wherein hydrogen atoms may be wholly or partially replaced by fluorine or chlorine atoms, such as the methoxycarbonyl, ethoxycarbonyl, propoxycarbonyl, isopropoxycarbonyl, butoxycarbonyl, tert. butoxycarbonyl, pentoxycarbonyl, hexoxycarbonyl, octyloxycarbonyl, nonyloxycarbonyl, decyloxycarbonyl, undecyloxycarbonyl, dodecyloxycarbonyl, hexadecyloxycarbonyl, methylcarbonyloxy, ethylcarbonyloxy, 2,2,2-trichloroethylcarbonyloxy, propylcarbonyloxy, isopropylcarbonyloxy, butylcarbonyloxy, tert.butylcarbonyloxy, pentylcarbonyloxy, hexylcarbonyloxy, octylcarbonyloxy, nonylcarbonyloxy, decylcarbonyloxy, undecylcarbonyloxy, dodecylcarbonyloxy or hexadecylcarbonyloxy group, a phenyl-C_{1-6}-alkoxycarbonyl group such as the benzyloxycarbonyl, phenylethoxycarbonyl or phenylpropoxycarbonyl group, a 3-amino-propionyl group wherein the amino group may be mono or disubstituted by C_{1-6}-alkyl or C_{3-7}-cycloalkyl groups and the substituents may be identical or different, a C_{1-3}-alkylsulphonyl-C_{2-4}-alkoxycarbonyl, C_{1-3}-alkoxy-C_{2-4}-alkoxy-C_{2-4}-alkoxycarbonyl, R_a-

CO-O-(R_bCR_c)-O-CO, C_{1-6}-alkyl-CO-NH-(R_dCR_e)-O-CO or C_{1-6}-alkyl-CO-O-(R_dCR_e)-(R_dCR_e)-O-CO group wherein

R_a denotes a C_{1-8}-alkyl, C_{5-7}-cycloalkyl, phenyl or phenyl- C_{1-3}-alkyl group,

R_b denotes a hydrogen atom, a C_{1-3}-alkyl, C_{5-7}-cycloalkyl or phenyl group and

R_c denotes a hydrogen atom or a C_{1-3}-alkyl group and

R_d and R_e, which may be identical or different, denote hydrogen atoms or C_{1-3}-alkyl groups,

~~said heteroaryl groups is consisting of a 5-membered heteroaryl group optionally substituted by a C_{1-3}-alkyl group which contains in the heteroaromatic moiety,~~

~~an imino group optionally substituted by a C_{1-3}-alkyl group, or an oxygen or sulphur atom,~~

~~an imino group optionally substituted by a C_{1-3}-alkyl group and an oxygen, sulphur or nitrogen atom,~~

~~an imino group optionally substituted by a C_{1-3}-alkyl group and two nitrogen atoms or~~

~~an oxygen or sulphur atom and two nitrogen atoms,~~

~~or a 6-membered heteroarylene group optionally substituted by a C_{1-3}-alkyl group which contains one or two nitrogen atoms in the heteroaromatic moiety,~~

or an isomer or salt thereof.

2. (Currently amended) The compound of formula I according to claim 1 wherein

~~one of the groups~~ m ~~or n~~ denotes the number 0 and
~~the other group m or~~ n denotes the number 1,

Ar denotes a phenylene group optionally substituted by a fluorine, chlorine or bromine atom or by a methyl, hydroxy, methoxy or benzyloxy group, which may be substituted by another methyl group,

R_1 denotes ~~a phenyl group optionally substituted by a fluorine, chlorine or bromine atom or by a trifluoromethyl, aminosulphonyl, C_{1-3}-alkyl or C_{1-3}-alkoxy group, which may additionally be substituted by a fluorine, chlorine or bromine atom or by a trifluoromethyl, C_{1-3}-alkyl or C_{1-3}-alkoxy group,~~

~~a methyl group substituted by a dimethylamino, pyrrolidino or imidazolyl group, wherein the imidazolyl moiety may be substituted by a methyl group,~~

~~an amino, C_{1-5}-alkylamino, cyclopentylamino or benzylamino group which may be substituted at the amino nitrogen atom by a carboxy-C_{1-2}-alkyl, C_{1-3}-alkoxycarbonyl-C_{1-2}-alkyl, carboxy-C_{1-2}-alkylcarbonyl or C_{1-3}-alkoxycarbonyl-C_{1-2}-alkylcarbonyl group,~~

~~a benzoylamino or phenylsulphonylamino group,~~

~~a cyclopropyl group which is substituted in the 1 position by a 5- to 7-membered cycloalkyleneiminocarbonyl group,~~

an optionally methyl-substituted pyrrolidinocarbonyl~~,~~ or piperidinocarbonyl~~,~~ ~~pyrrolidinosulphonyl or piperidinosulphonyl~~ group,

~~a C_{1-3}-alkoxy group wherein the alkoxy moiety in the 2 or 3 position may be substituted in each case by an amino, C_{1-3}-alkylamino or di-(C_{1-3}-alkyl)-amino group,~~

~~a phenyl C_{1-3}-alkoxy or pyridinyloxy group,~~

~~a C_{5-7}-cycloalkoxy group wherein the methylene group in the 3 or 4 position may be replaced by an -NH group, whilst the -NH group may be substituted~~

~~by a C_{1-3}-alkyl or C_{2-3}-alkanoyl group,~~

~~by a C_{2-3}-alkanoyl or aminocarbonyl group wherein in each case the oxygen atom of the carbonyl group is replaced by an imino group,~~

R_2 denotes a hydrogen, fluorine, chlorine or bromine atom, a methyl, hydroxy or methoxy group,

R_3 denotes a hydrogen atom or a methyl group,

R_4 denotes a hydrogen atom or a methyl or ethyl group optionally substituted by a carboxy or C_{1-3}-alkoxycarbonyl group and

R_5 denotes a cyano group or an amidino group optionally substituted by a C_{1-6}-alkoxycarbonyl or benzoyl group,

or an isomers or salt thereof.

3. (Currently amended) The compounds of formula I according to claim 1, wherein

~~one of the groups~~ m ~~or n~~ denotes the number 0 and
~~the other group m or~~ n denotes the number 1,

Ar denotes a phenylene group optionally substituted by a methyl, hydroxy, methoxy or benzyloxy group,

R_1 denotes ~~a phenyl group optionally substituted by a fluorine, chlorine or bromine atom or by a trifluoromethyl, aminosulphonyl, C_{1-3}-alkyl or C_{1-3}-alkoxy group, which may additionally be substituted by a fluorine, chlorine or bromine atom or by a trifluoromethyl, C_{1-3}-alkyl or C_{1-3}-alkoxy group,~~

~~a cyclopropyl group which is substituted in the 1 position by a 5- to 7-membered cycloalkyleneiminocarbonyl group, or a 4- to 7-membered cycloalkyleneiminocarbonyl group,~~

an optionally methyl-substituted pyrrolidinocarbonyl~~,~~ or piperidinocarbonyl ~~or pyrrolidinosulphonyl~~ group,

R_2 denotes a hydrogen, fluorine, chlorine or bromine atom or a methyl group,

R_3 denotes a hydrogen atom or a methyl group,

R_4 denotes a hydrogen atom or a methyl or ethyl group substituted by a carboxy, methoxycarbonyl or ethoxycarbonyl group and

R_5 denotes an amidino group optionally substituted by a C_{1-6}-alkoxycarbonyl or benzoyl group,

or an isomer or salt thereof.

4. (Currently amended) A compound of ~~the~~ formula I according to claim 1 selected from the following compounds:

(a) 2-(5-carbamimidoyl-2-hydroxy-phenyl)-N-[3-methyl-4-(pyrrolidin-1-yl-carbonyl)-phenyl]-acetamide,

(b) 2-(2-benzyloxy-5-carbamimidoyl-phenyl)-N-(2-ethoxycarbonyl-ethyl)-N-[3-methyl-4-(pyrrolidin-1-yl-carbonyl)-phenyl]-acetamide,

(c) 2-(2-hydroxy-5-carbamimidoyl-phenyl)-N-(2-ethoxycarbonylethyl)-N-[3-methyl-4-(pyrrolidin-1-yl-carbonyl)-phenyl]-acetamide~~;~~ and

(d) 2-(2-hydroxy-5-carbamimidoyl-phenyl)-N-(2-carboxy-ethyl)-N-[3-methyl-4-(pyrrolidin-1-yl-carbonyl)-phenyl]-acetamide,

~~(e) 2-(5-carbamimidoyl-2-hydroxy-phenyl)-N-[3-methyl-4-(piperidin-1-yl-carbonyl)-phenyl]-acetamide and~~

~~(f) 2-(5-carbamimidoyl-2-hydroxy-phenyl)-N-[3-methyl-4-(2-aminosulphonyl-phenyl)-phenyl]-acetamide,~~

wherein the amidino group may additionally be substituted by a C_{1-6}-alkoxycarbonyl or benzoyl group, and the salts thereof.

5. (Previously amended) A compound of formula I according to claim 1 as follows: 2-(5-Carbamimidoyl-2-hydroxy-phenyl)-N-[3-methyl-4-(pyrrolidin-1-yl-carbonyl)-phenyl]-acetamide and the salts thereof.

6. (Previously amended) A pharmaceutical composition comprising a compound according to claim 1 or a physiologically acceptable salt thereof according to claims 1 wherein R_5 is an amidino group optionally substituted by one or two C_{1-3}-alkyl groups.

7. (Previously amended) Pharmaceutical compositions containing a compound according to claim 1, wherein R_5 is an amidino group optionally substituted by one or two C_{1-3}-alkyl groups.

8. (Previously amended) A method of treating a patient in need of a pharmaceutical composition having an antithrombotic activity or factor Xa inhibiting activity by administering to said patient a therapeutically effective amount of a component according to claim 1 wherein R_5 is an amidino group optionally substituted by one or two C_{1-3}-alkyl groups.

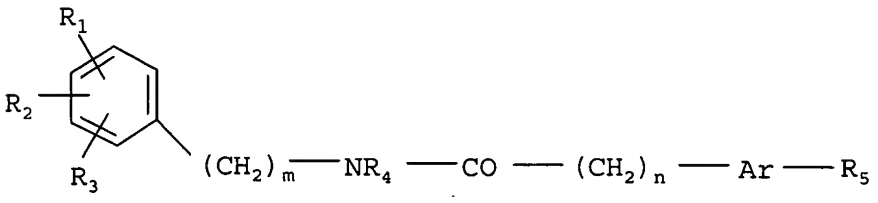
9 -12. (Cancelled)

13. (Previously amended) A method of treating a patient in need of a pharmaceutical composition having an antithrombotic activity or factor Xa inhibiting activity by administering to said patient a therapeutically effective amount of a component according to claim 6.

14. (Previously amended) Pharmaceutical compositions containing a compound according to a salt of claim 6 optionally together with one or more inert carriers and/or diluents.

15-16. (Cancelled)

17. (New) A carboxylic acid amide compound of the following formula



(I),

wherein
m denotes the number 0 and
n denotes the number 1,

Ar denotes a phenylene or naphthylene group optionally substituted by a fluorine, chlorine or bromine atom, by a trifluoromethyl, C_{1-3}-alkyl, hydroxy, C_{1-3}-alkoxy, phenyl-C_{1-3}-alkoxy, amino, C_{1-3}-alkylamino or di-(C_{1-3}-alkyl)-amino group, whilst the phenylene group may optionally be substituted by a second fluorine, chlorine or bromine atom or by a second C_{1-3}-alkyl group,

R_1 denotes a pyrrolidinocarbonyl or piperdinocarbonyl group optionally substituted by a C_{1-3}-alkyl group,

R_2 denotes a hydrogen, fluorine, chlorine or bromine atom, a C_{1-3}-alkyl, hydroxy or C_{1-3}-alkoxy group,

R_3 denotes a hydrogen atom or a C_{1-3}-alkyl group,

R_4 denotes a C_{1-3}-alkyl group substituted by a group from the list consisting of a hydroxmethyl group, a carboxy group esterified with an alcohol wherein the alcoholic moiety preferably denotes a C_{1-6}-alkanol, a phenyl-C_{1-3}-alkanol, a C_{3-9}-cycloalkanol, whilst a C_{5-8}-cycloalkanol may additionally be substituted by one or two C_{1-3}-alkyl groups, a C_{5-8}-cycloalkanol wherein a methylene group in the 3 or 4 position is replaced by an oxygen atom or by an imino group optionally substituted by a C_{1-3}-alkyl, phenyl-C_{1-3}-alkyl, phenyl-C_{1-3}-alkoxycarbonyl or C_{2-6}-alkanoyl group and the cycloalkanol moiety may additionally be substituted by one or two C_{1-3}-alkyl groups, a C_{4-7}-cycloalkenol, a C_{3-5}-alkenol, a phenyl-C_{3-5}-alkenol, a C_{3-5}-alkynol or phenyl-C_{3-5}-alkynol, with the proviso that no bond to the oxygen atom starts from a carbon atom which carries a double or triple bond, a C_{3-8}-cycloalkyl-C_{1-3}-alkanol, a bicycloalkanol having a total of 8 to 10 carbon atoms which may additionally be substituted by one or two C_{1-3}-alkyl groups in the bicycloalkyl moiety, a 1,3-dihydro-3-oxo-1-isobenzfuranol or an alcohol of formula

$$R_a\text{-CO-O-}(R_bCR_c)\text{-OH, and}$$

Ra denotes a C1 8 alkyl, C5 7 cycloalkyl, phenyl or phenyl- C1 3 alkyl group,

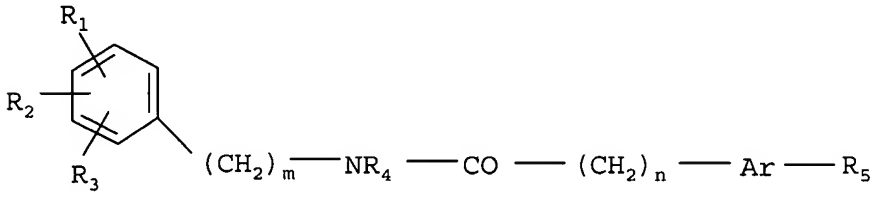
Rb denotes a hydrogen atom, a C1 3 alkyl, C5 7 cycloalkyl or phenyl group and

Rc denotes a hydrogen atom or a C1 3 alkyl group,

R_5 denotes a cyano group or an amidino group optionally substituted by one or two C_{1-3}-alkyl groups or by a C_{1-6}-alkoxycarbonyl or benzoyl group,

or an isomer or salt thereof.

18. (New) A carboxylic acid amide compound of the following formula



(I),

wherein
m denotes the number 0 and
n denotes the number 1,

Ar denotes a phenylene or naphthylene group optionally substituted by a fluorine, chlorine or bromine atom, by a trifluoromethyl, C_{1-3}-alkyl, hydroxy, C_{1-3}-alkoxy, phenyl-C_{1-3}-alkoxy, amino, C_{1-3}-alkylamino or di-(C_{1-3}-alkyl)-amino group, whilst the phenylene group may optionally be substituted by a second fluorine, chlorine or bromine atom or by a second C_{1-3}-alkyl group,

R_1 denotes a pyrrolidinocarbonyl or piperdinocarbonyl group optionally substituted by a C_{1-3}-alkyl group,

R_2 denotes a hydrogen, fluorine, chlorine or bromine atom, a C_{1-3}-alkyl, hydroxy or C_{1-3}-alkoxy group,

R_3 denotes a hydrogen atom or a C_{1-3}-alkyl group,

R_4 denotes a C_{1-3}-alkyl group substituted by a group from the list consisting of a tetrazol-5-yl, phenylcarbonylaminocarbonyl, trifluoromethylcarbonylaminocarbonyl, C_{1-6}-alkylsulphonylamino, phenylsulphonylamino, benzylsulphonylamino, trifluoromethylsulphonylamino, C_{1-6}-alkylsulphonylaminocarbonyl, phenylsulphonylaminocarbonyl, benzylsulphonylaminocarbonyl or perfluoro-C_{1-6}-alkylsulphonylaminocarbonyl group, and

R_5 denotes a cyano group or an amidino group optionally substituted by one or two C_{1-3}-alkyl groups or by a C_{1-6}-alkoxycarbonyl or benzoyl group,

or an isomer or salt thereof.